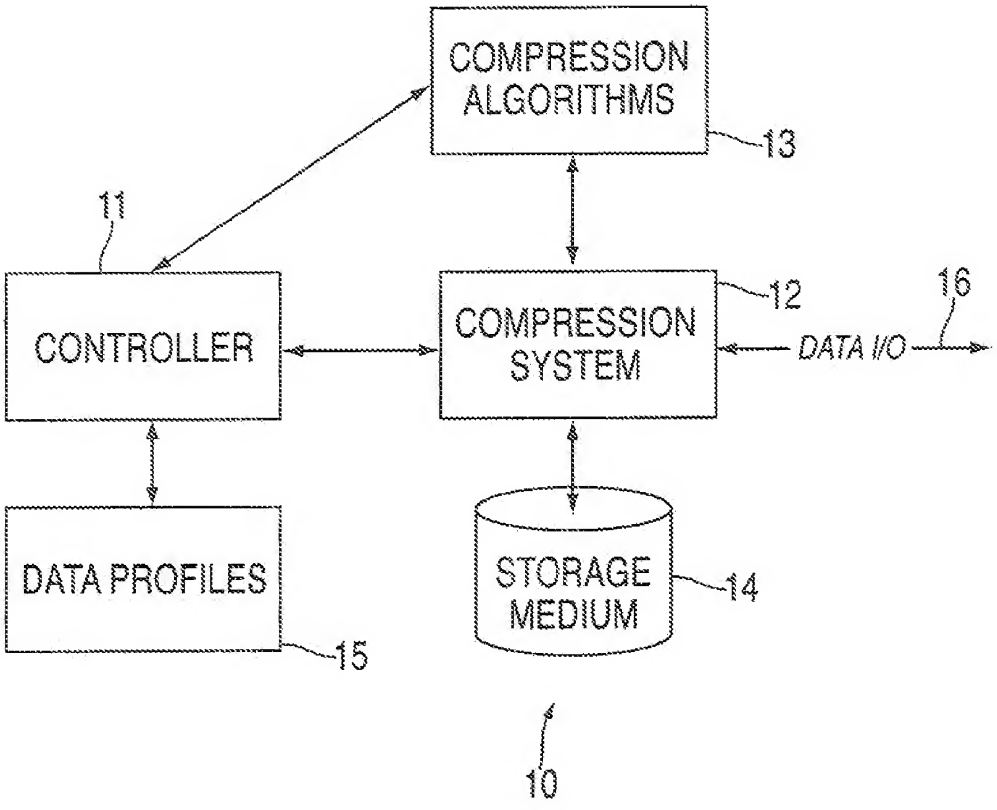
COMPRESSION ALGORITHMS
13
11
CONTROLLER
COMPRESSION SYSTEM
12
16
DATA I/O
DATA PROFILES
15
STORAGE MEDIUM
14
10

FIG. 1

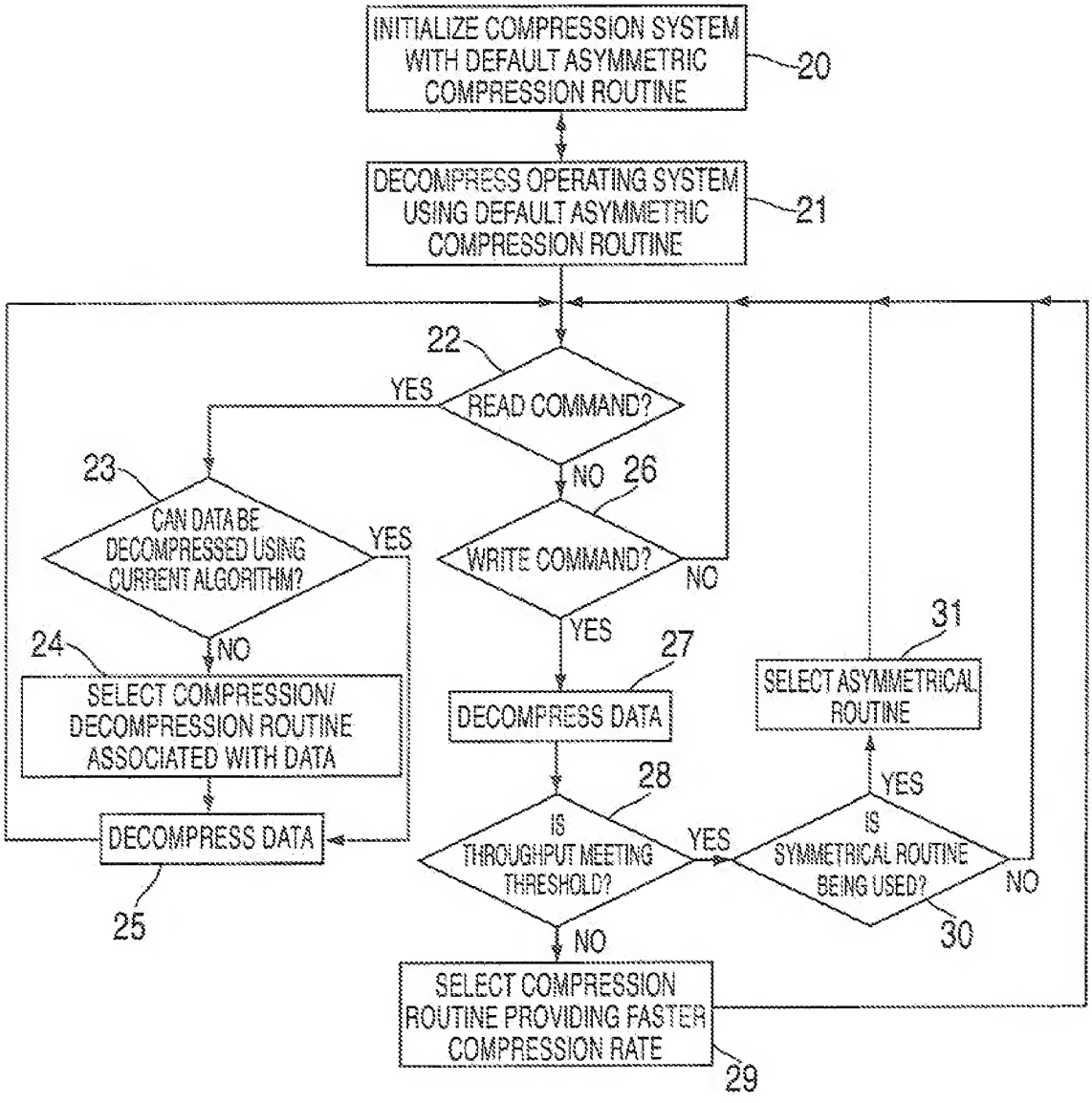
INITIALIZE COMPRESSION SYSTEM WITH DEFAULT ASYMMETRIC COMPRESSION ROUTINE
20
DECOMPRESS OPERATING SYSTEM USING DEFAULT ASYMMETRIC COMPRESSION ROUTINE
21
22
READ COMMAND?
YES
NO
23
CAN DATA BE DECOMPRESSED USING CURRENT ALGORITHM?
YES
NO
24
SELECT COMPRESSION/ DECOMPRESSION ROUTINE ASSOCIATED WITH DATA
DECOMPRESS DATA
25
26
WRITE COMMAND?
NO
YES
27
DECOMPRESS DATA
28
IS THROUGHPUT MEETING THRESHOLD?
YES
NO
SELECT COMPRESSION ROUTINE PROVIDING FASTER COMPRESSION RATE
29
31
SELECT ASYMMETRICAL ROUTINE
YES
IS SYMMETRICAL ROUTINE BEING USED?
NO
30

FIG. 2

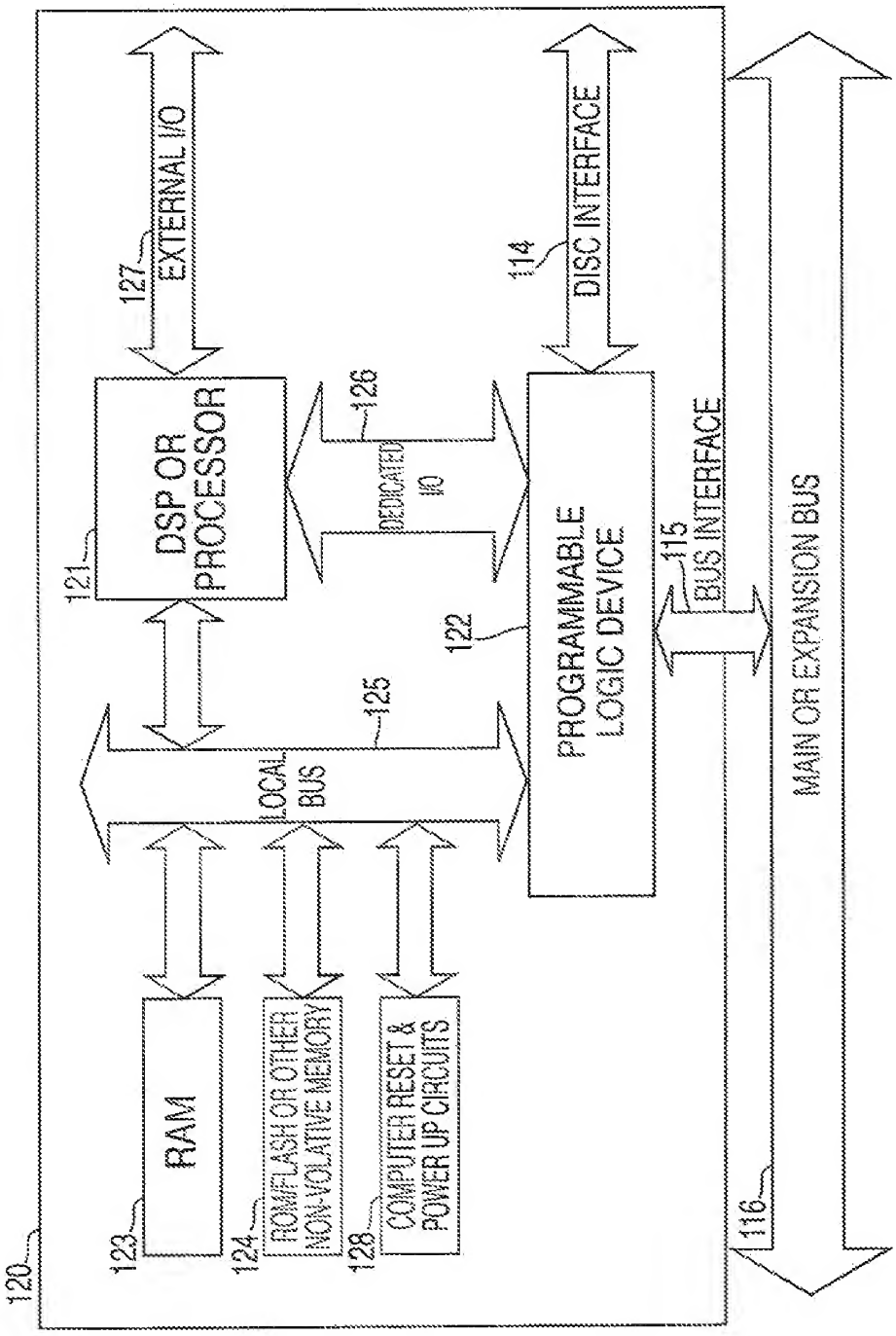
120
123
RAM
124
ROM/FLASH OR OTHER NON-VOLATIVE MEMORY
128
COMPUTER RESET & POWER UP CIRCUITS
LOCAL BUS
125
121
DSP OR PROCESSOR
127
EXTERNAL I/O
126
DEDICATED I/O
122
PROGRAMMABLE LOGIC DEVICE
114
DISC INTERFACE
115
BUS INTERFACE
116
MAIN OR EXPANSION BUS

FIG. 3

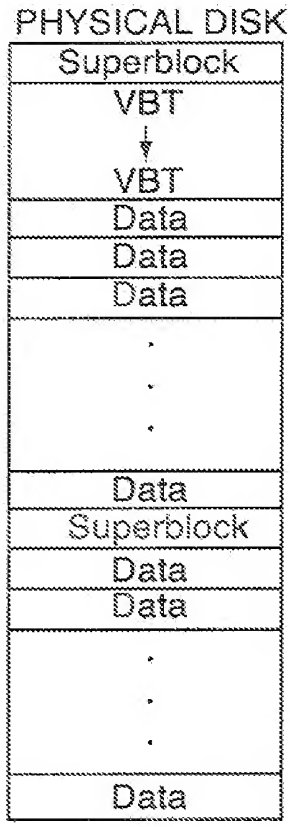

FIG. 4a

SECTOR MAP DEFINITION

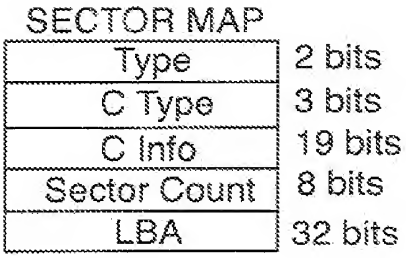

FIG. 4B